

DECLARATION AND POWER OF ATTORNEY

(Original Application)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

NOVEL GENES ENCODING PROTEINS HAVING DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER USES

the specification of which is attached hereto and/or was filed on June 14, 1999, as Application No.09/333,159.

I hereby state that I have reviewed and understand the contents of the aboveidentified specification, including the claims, as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

FOREIGN PRIORITY APPLICATION(S)

			Priority Claimed _ [] Yes [] No
(Number)	(Country)	(Day/month/year filed)	
			_ [] Yes [] No
(Number)	(Country)	(Day/month/year filed)	

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional patent application(s) listed below and have also identified below any

United States provisional pater application(s) having a filing date before that of the application on which priority is claimed:

PROVISIONAL PRIORITY PATENT APPLICATION(S)

	Priority Claimed [X] Yes [] No
(Application No.)	(Filing Date)
And I hereby	appoint the registered attorneys and agents associated with AKIN,
GUMP, STRAUSS, HAUE	R & FELD, L.L.P., Customer No. 000570, as my attorneys or
agents with full power of sub	ostitution and revocation, to prosecute this application and to transact
all business in the Patent and	Trademark Office connected therewith.
Address all co	orrespondence to Customer No. 000570, namely, AKIN, GUMP,
STRAUSS, HAUER & FEI	LD, L.L.P., One Commerce Square, 2005 Market Street, Suite 2200,
Philadelphia, Pennsylvania 1	9103. Please direct all communications and telephone calls to Gary
D. Colby, Ph.D., J.D. at 215	-965-1285.
I hereby decla	are that all statements made herein of my own knowledge are true
and that all statements made	on information and belief are believed to be true; and further that
these statements were made	with the knowledge that willful false statements and the like so
made are punishable by fine	or imprisonment, or both, under Section 1001 of Title 18 of the
United States Code and that	such willful false statements may jeopardize the validity of the
application or any patent issu	sing thereon.
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(LOOSE NOTA	RIAL CERTIFICATE ATTACHED

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Inventor's Signature	
Date	
Residence	Arlington, Massachusetts
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Full name of fourth joint inventor	Thomas S. Barnes
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Inventor's Signature _	John D. Sharp Mov. 7, 7001	
Date	Mov. 7, 2001	
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Date		
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Citizenship	Australia	
Post Office Address	12 Mason Terrace, Boston, MA 02118	

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Date		
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Full name of third joint inventor	John D. Sharp	
Inventor's Signature		
Date		
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Inventor's Signature	Thomas M. Barner	
Date Nonem	ber 7 2001	
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	T.B.	

CALIF RNIA ALL-PURPOS**ER**ACKNOWLEDGMENT COPY OF PAPERS State of CALIFORNIA ORIGINALLY FILED County of SANDIEGO On 13-17-01 before me, J. LILY TURNED Name and Title of Officer (e.g., "Jane Doe, Notary Public") personally appeared SEAN A. Mc CARTHY Name(s) of Signer(s) personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document. **Description of Attached Document** Title or Type of Document: DELLARATION AND POWER OF ATTORNEY Document Date: 13-17-01 Number of Pages: 3 Signer(s) Other Than Named Above: _____ Capacity(ies) Claimed by Signer(s) Signer's Name: Signer's Name: □ Individual □ Individual ☐ Corporate Officer ☐ Corporate Officer Title(s): _ Title(s): _ ☐ Partner — ☐ Limited ☐ General ☐ Partner — ☐ Limited ☐ General ☐ Attornev-in-Fact ☐ Attorney-in-Fact □ Trustee □ Trustee ☐ Guardian or Conservator ☐ Guardian or Conservator

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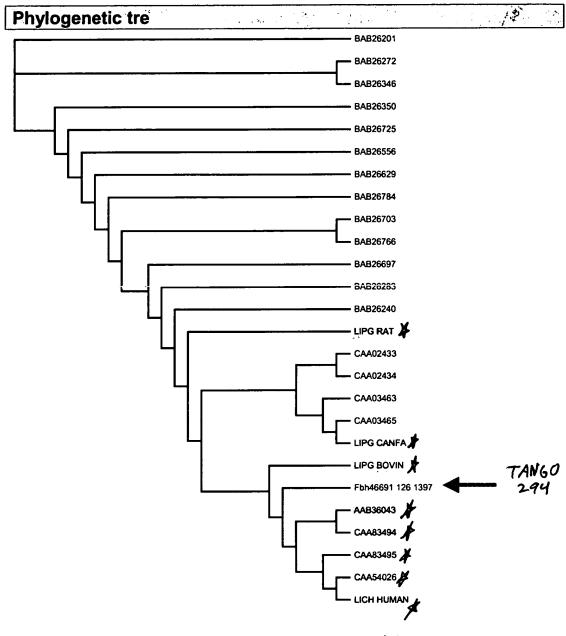
☐ Other: _____

Signer Is Representing:

☐ Other: _____

Signer Is Representing:

Top of thumb here



see Key on next page for identities, f proteins.

Full BLAST R port

Program: BLASTP 2.0MP-WashU [07-Jun-2001] [sol2.6-ultra-ILP32F64 17:41:00 07-Jun-2001]

Query= Fbh46691_126_1397 - Import - vector trimmed (423 letters)

Database: protot 692,327 sequences; 220,281,154 total letters. References:

- Altschul, Stephen F., Warren Gish, Webb Miller, Eugene W. Myers, and David J. Lipman (1990). Basic local alignment search tool. <u>J. Mol. Biol. 215: 403-10</u>.
- Altschul et al. (1997), Gapped BLAST and PSI-BLAST: a new generation of protein database search programs. <u>Nucl. Acids Res. 25: 3389-3402</u>.
- Program Descriptions: BLAST2 | WU-BLAST2 | Help Manual HTML formatting provided by the Bioperl Blast module.

HIM formacting provided by the bropers brase module.		5	
	High	Probability	•
Sequences producing High-scoring Segment Pairs:	Score	P(N) 1	N
emb CAA54026 (X76488) sterol esterase [Homo sapiens] gb	1290	2.8e-131 1	
	1290	2.8e-131 1	1
emb CAA83495 (Z31690) lysosomal acid lipase [Homo sapien			
sp P38571 LICH HUMAN LYSOSOMAL ACID LIPASE/CHOLESTERYL ES	1289		1
gb AAB36043 (S81497) lysosomal acid lipase; LAL [Rattus	1220	<u>7.3e-124</u> 1	
emb CAA83494 (Z31689) lysosomal acid lipase [Mus musculus]	1196	<u>2.5e-121</u> 1	L
SD P04634 LIPG RAT TRIACYLGLYCEROL LIPASE, LINGUAL PRECUR	1166	3.8e-118 1	1
SD P80035 LIPG CANFA TRIACYLGLYCEROL LIPASE, GASTRIC PREC	1154	7.2e-117	
	1144	8.2e-116	
emb CAA03463 (A57756) unnamed protein product [unidentif			
emb CAA03465 (A57760) unnamed protein product [unidentif	1144	8.2e-116 1	
SD 029458 LIPG BOVIN TRIACYLGLYCEROL LIPASE, PREGASTRIC P	1142	<u>1.3e-115</u> 1	1
emb CAA02433 (A39301) unnamed protein product [unidentif	1135	<u>7.4e-115</u> 1	1
emb CAA02434 (A39303) unnamed protein product [unidentif	1135	7.4e-115 I	1
	1134	9.4e-115	
	1134	9.4e-115	
dbj BAB26556 (AK009875) putative [Mus musculus]			
dbj <u>BAB26697</u> (AK010093) putative [Mus musculus]	1134	<u>9.4e-115</u> 1	
dbj <u>BAB26725</u> (AK010139) putative [Mus musculus]	1134	<u>9.4e-115</u> 1	L
dbj BAB26201 (AK009300) putative [Mus musculus] dbj BAB	1133	1.2e-114 1	
dbj BAB26272 (AK009413) putative [Mus musculus] dbj BAB	1133	1.2e-114 1	
	1131	2.0e-114 1	1
	1129	3.2e-114 1	
dbj BAB26629 (AK009990) putative [Mus musculus]			
dbj BAB26346 (AK009537) putative [Mus musculus]	1128	4.1e-114 1	
dbj <u>BAB26240</u> (AK009359) putative [Mus musculus]	1127	<u>5.2e-114</u> 1	
dbj BAB26350 (AK009544) putative [Mus musculus]	1126	<u>6.6e-114</u> 1	Ļ
dbj BAB26784 (AK010231) putative [Mus musculus]	1126	6:6e-114 1	1
dbj BAB26703 (AK010103) putative [Mus musculus]	1125	8.5e-114 1	
	1124	1.1e-113	
	1124		
dbj BAB26651 (AK010026) putative [Mus musculus]			
dbj <u>BAB26287</u> (AK009437) putative [Mus musculus]	1122		1
sp P07098 LIPG_HUMAN TRIACYLGLYCEROL LIPASE, GASTRIC PREC	1119	<u>3.7e-113</u> 1	
dbj <u>BAB26733</u> (AK010148) putative [Mus musculus]	1119	<u>3.7e-113</u> 1	1
dbj BAB26704 (AK010106) putative [Mus musculus]	1116	7.6e-113 I	1
dbj BAB26746 (AK010173) putative [Mus musculus]	1115	9.7e-113	1
	1111		1
	1006		1
emb CAA03464 (A57758) unnamed protein product [unidentif			
emb CAA94824 (Z70780) contains similarity to Pfam domain	757		1
gb <u>AAK68537 AC024835 3</u> (AC024835) Hypothetical protein Y5	. 754	4 <u>1.7e-74</u>	1
qb AAG45574 (AF067942) similar to lysosomal acid lipases	753	<u>2.2e-74</u> 1	1
emb CAB01973 (Z79696) predicted using Genefinder-Similar	727	1.3e-71 1	1
dbj BAB31766 (AK019504) putative [Mus musculus]	715		1
	706		ī
gb AAC69088 (AF022976) Hypothetical protein R11G11.14 [C			
gb AAC48051 (U64849) Contains similarity to Pfam domain:	693		1
emb CAC27244 (AX068259) unnamed protein product [Homo sa	685	<u>3.6e-67</u> 1	1
sp 046108 LIP3 DROME LIPASE 3 PRECURSOR (EC 3.1.1). em	663	<u>7.7e-65</u> 1	
emb CAB02896 (Z81055) Similarity to Human triacylglycero	653		1
gb AAF52971 (AE003629) CG6113 gene product [Drosophila m	649		1
	639		ī
gb AAF52985 (AE003629) CG17099 gene product [Drosophila			
gb AAF58163 (AE003811) CG8093 gene product [Drosophila m	629		1
gb AAC62229 (AF063014) yolk polypeptide 2 [Plodia interp	623	<u>1.3e-60</u> 1	1
gb AAF56528 (AE003754) CG5990 gene product [Drosophila m	576	<u>2.2e-55</u>	1
dbj BAA02091 (D12521) egg-specific protein precursor [Bo	567	1.1e-54	1